

Appendix A

RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Smart Band

Trade Mark: TECNO

Test Model: TSP-HB01

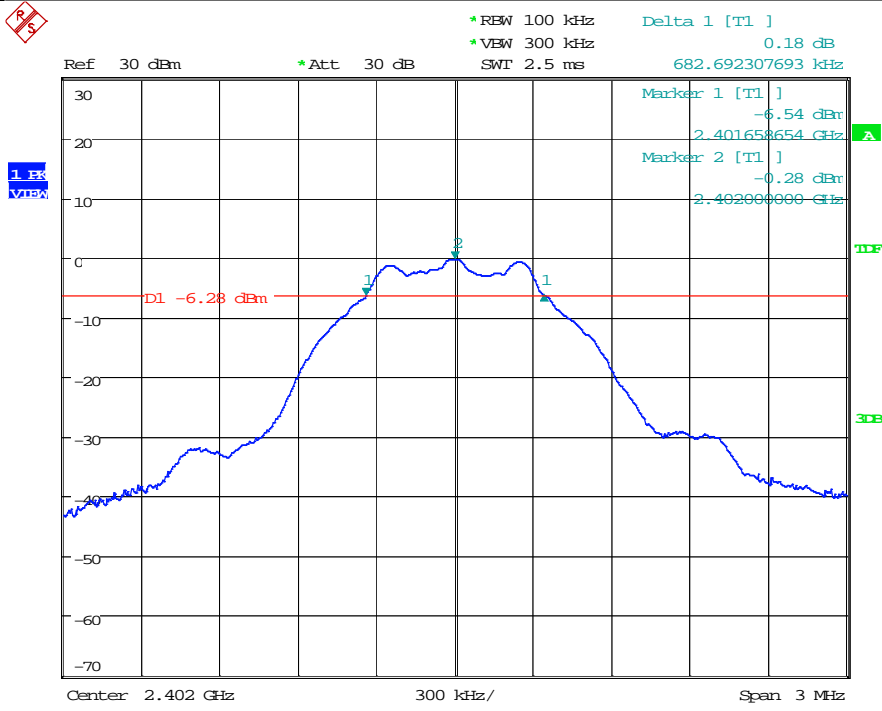
FCC ID: 2ADYY-TSP-HB01

Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

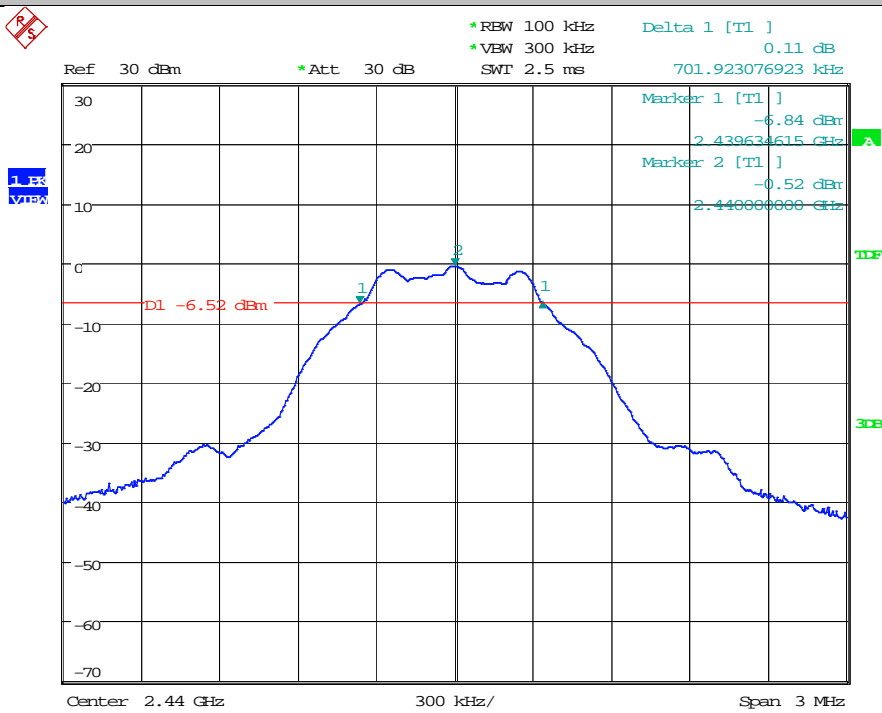
A.1. 6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE(1Mbps)	2402	Ant1	0.683	0.5	PASS
BLE(1Mbps)	2440	Ant1	0.602	0.5	PASS
BLE(1Mbps)	2480	Ant1	0.697	0.5	PASS



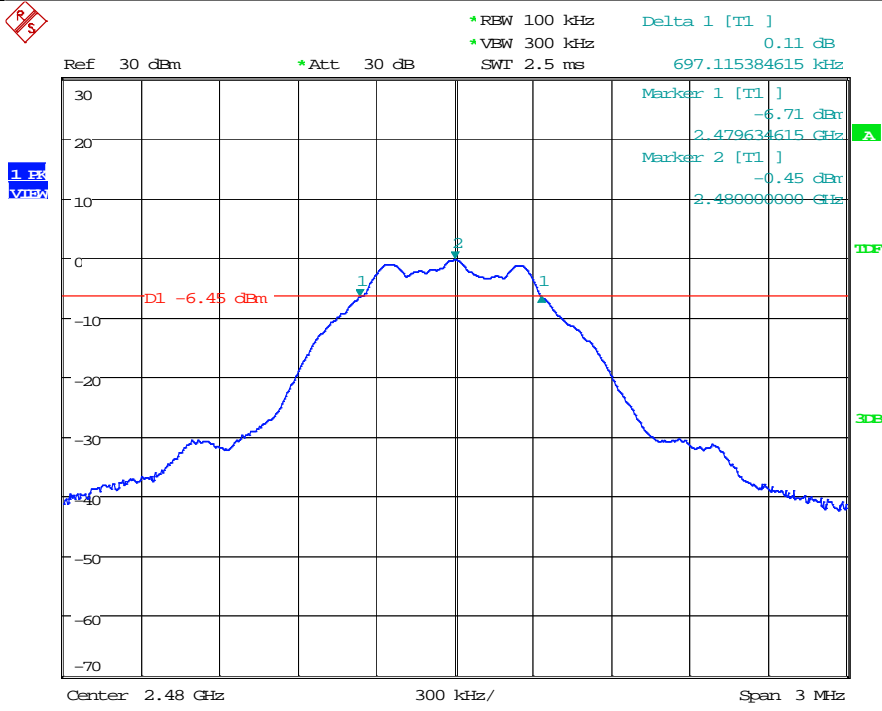
Date: 12.OCT.2020 11:31:20

BLE_BT4.0_Ant1_2402



Date: 12.OCT.2020 11:29:45

BLE_BT4.0_Ant1_2440



Date: 12.OCT.2020 11:27:58

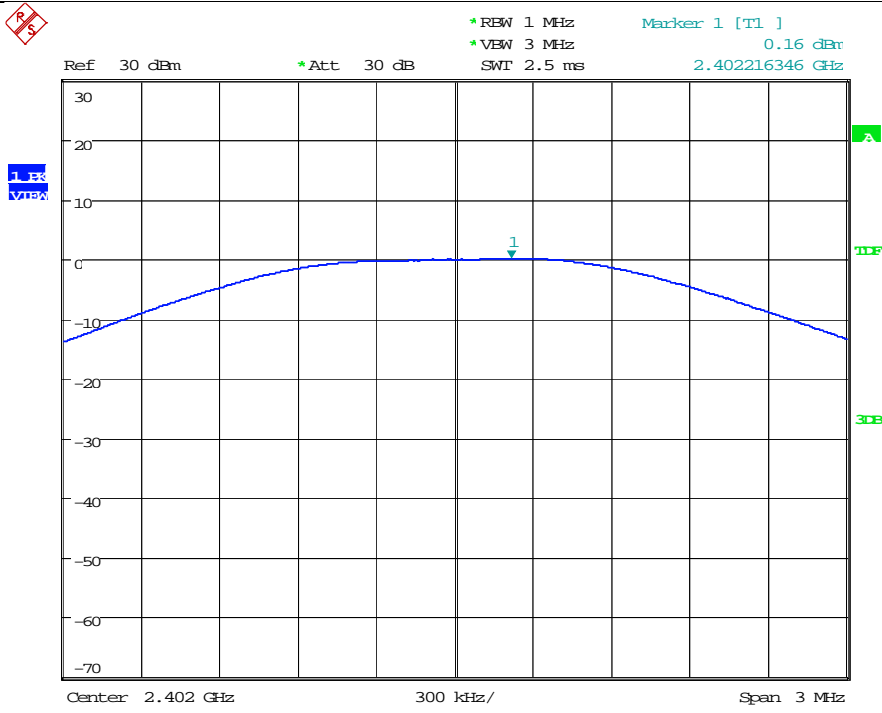
BLE_BT4.0_Ant1_2480

A.2. Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
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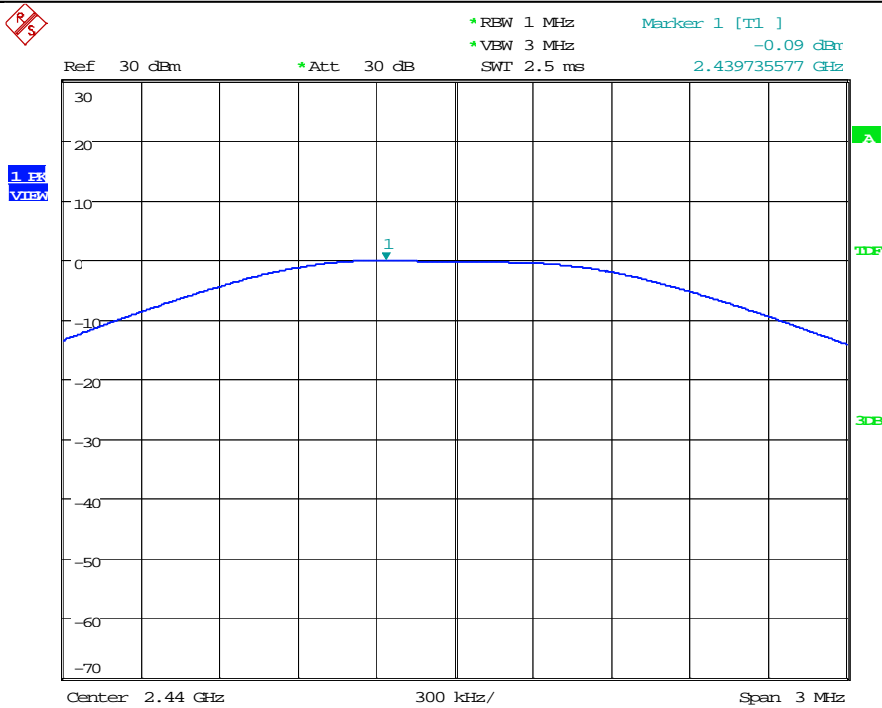
A.3. Maximum peak conducted output power

Test Mode	Test	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE(1Mbps)	2402	Ant1	0.16	30	PASS
BLE(1Mbps)	2440	Ant1	-0.09	30	PASS
BLE(1Mbps)	2480	Ant1	-0.06	30	PASS



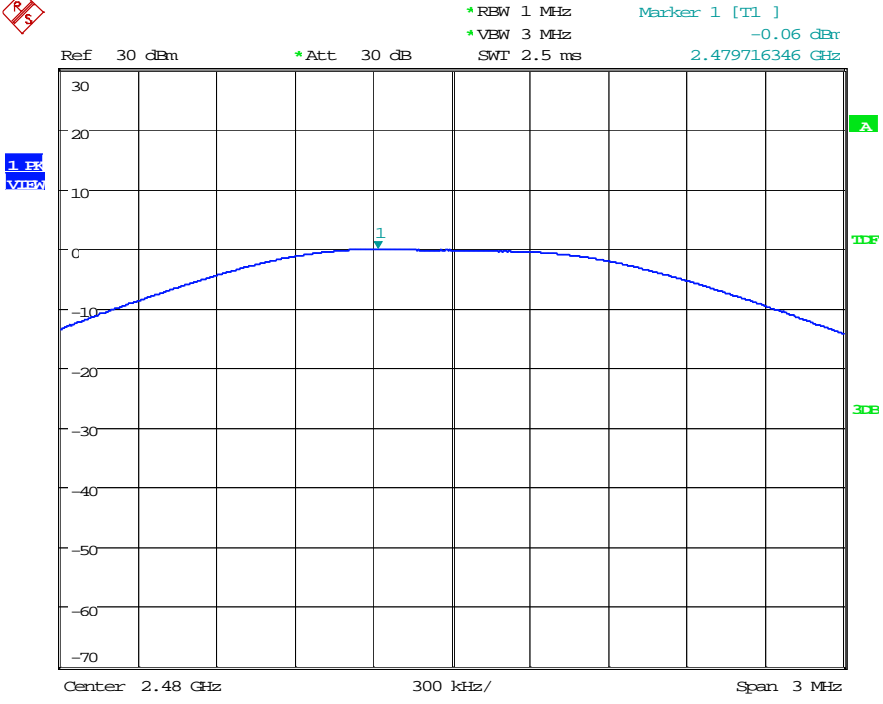
Date: 12.OCT.2020 10:48:52

BLE_BT4.0_Ant1_2402



Date: 12.OCT.2020 10:48:02

BLE_BT4.0_Ant1_2440

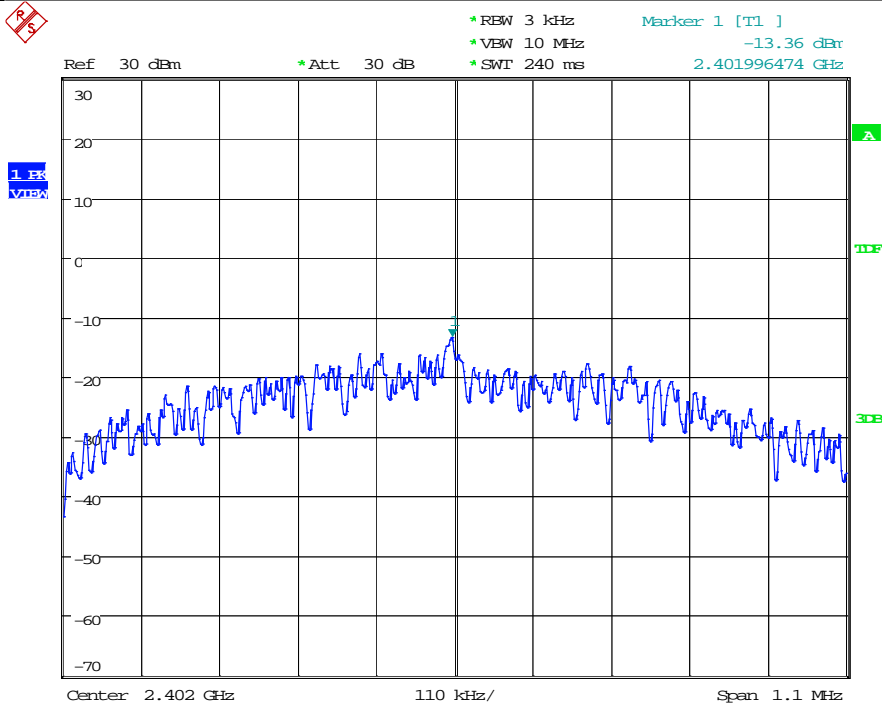


Date: 12.OCT.2020 10:46:15

BLE_BT4.0_Ant1_2480

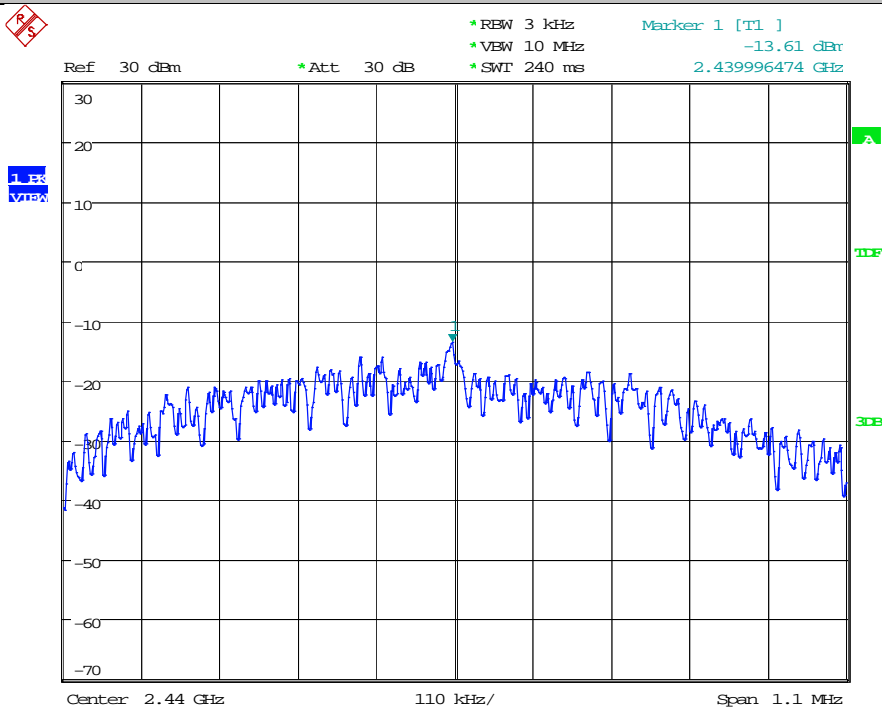
A.4. Maximum Peak power spectral density

Test Mode	Test	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE(1Mbps)	2402	Ant1	-13.36	8.00	PASS
BLE(1Mbps)	2440	Ant1	-13.61	8.00	PASS
BLE(1Mbps)	2480	Ant1	-13.52	8.00	PASS



Date: 12.OCT.2020 11:23:25

BLE_BT4.0_Ant1_2402

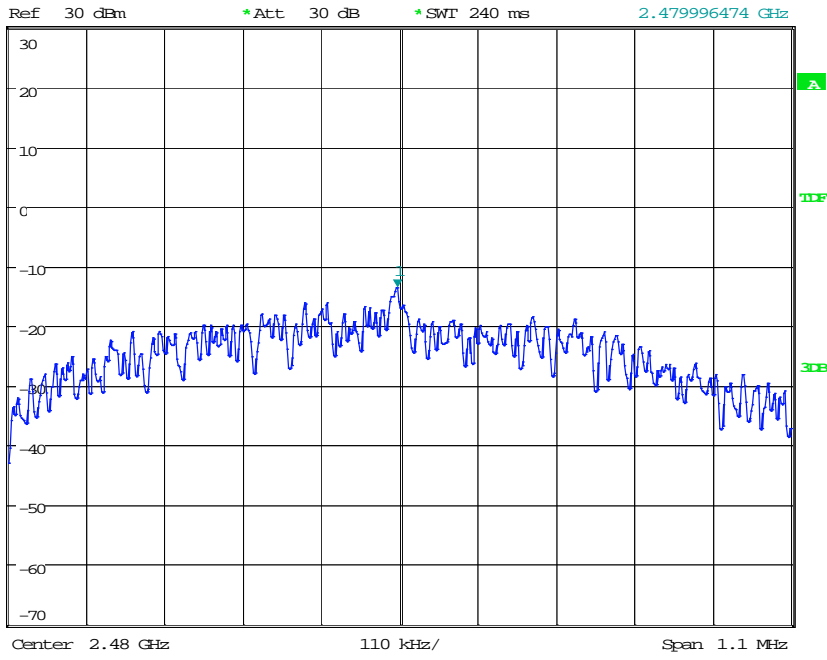


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BLE_BT4.0_Ant1_2440



*RBW 3 kHz Marker 1 [T1]
*VBW 10 MHz -13.52 dBm
*SWT 240 ms 2.479996474 GHz

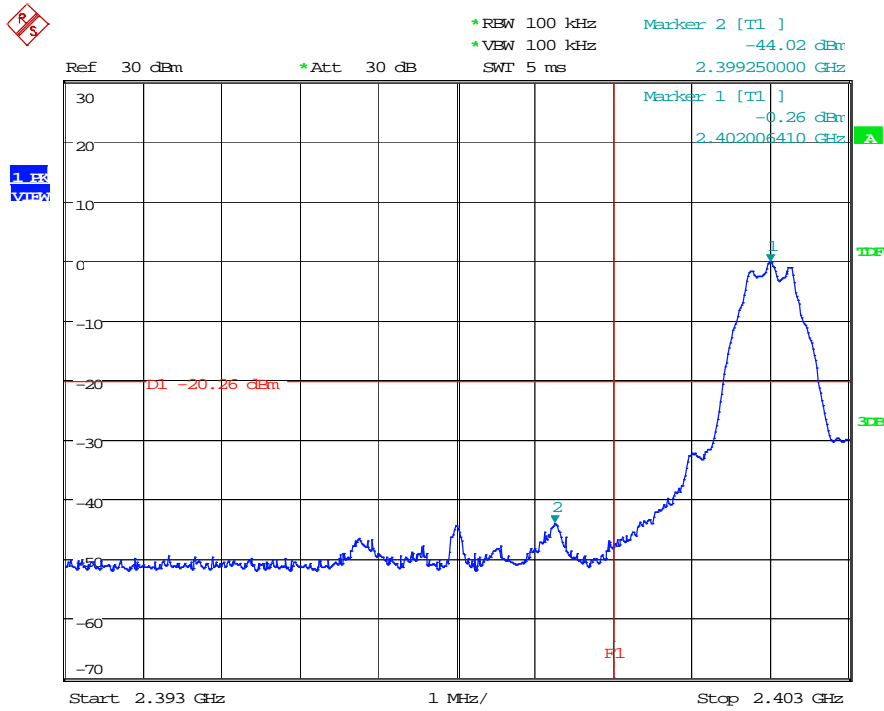


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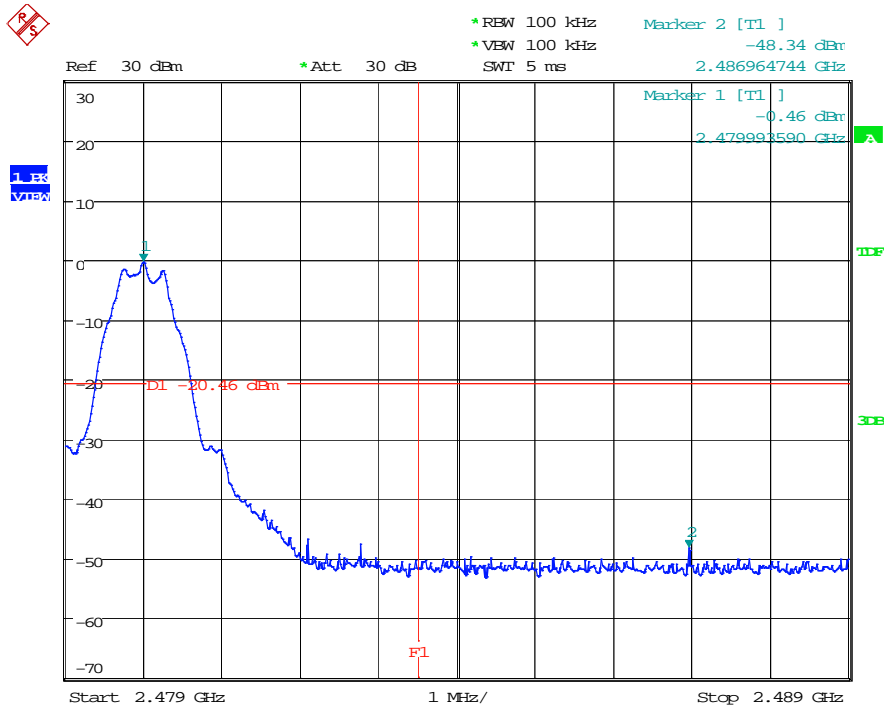
BLE_BT4.0_Ant1_2480

A.5. Conducted Spurious Emissions and Band Edges Test

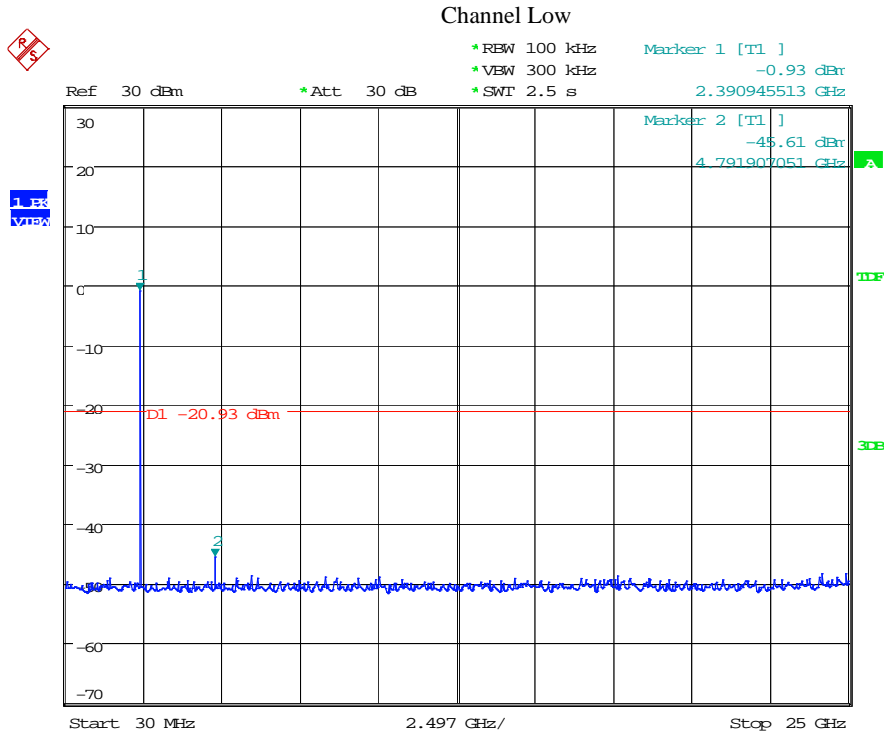
Low channel



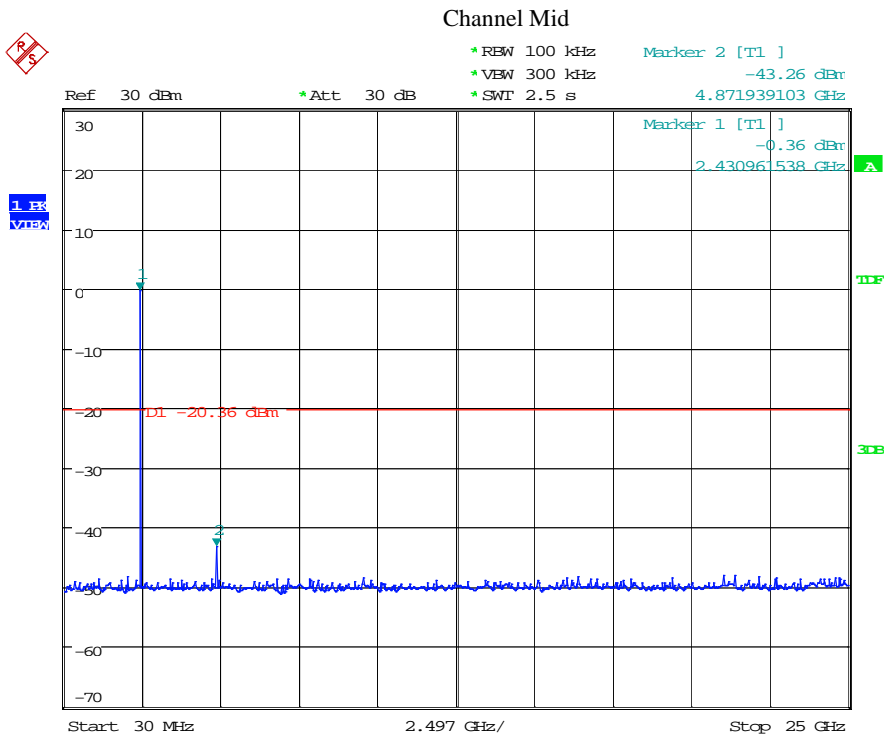
High channel



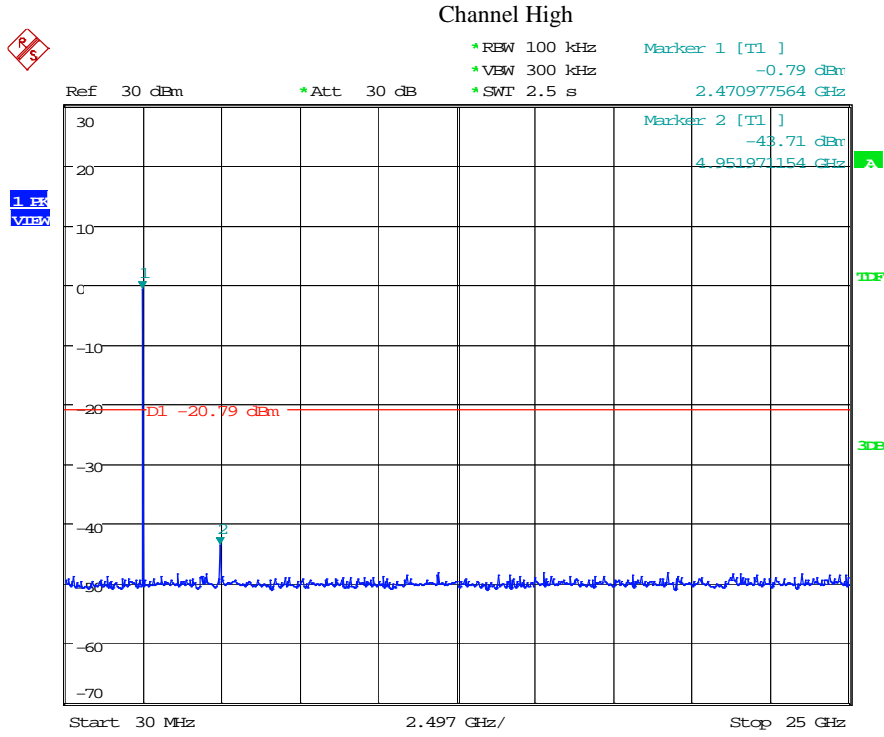
Conducted spurious emissions



Date: 12.OCT.2020 11:10:31



Date: 12.OCT.2020 11:13:08



Date: 12.OCT.2020 11:17:31

A.6. Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE(1Mbps)	2440	Ant1	35.34	PASS

